

▼ MEDIKONDA PREM CHAND

21BCE9593

```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

```
data = sns.load_dataset('car_crashes')
```

```
data.head()
```

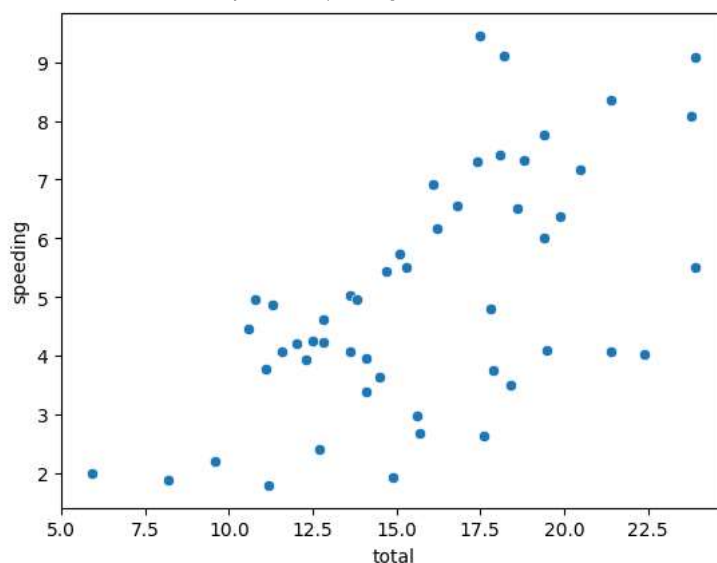
	total	speeding	alcohol	not_distracted	no_previous	ins_premium	ins_losses	abbrev
0	18.8	7.332	5.640	18.048	15.040	784.55	145.08	A
1	18.1	7.421	4.525	16.290	17.014	1053.48	133.93	AI
2	18.6	6.510	5.208	15.624	17.856	899.47	110.35	A
3	22.4	4.032	5.824	21.056	21.280	827.34	142.39	AI
4	12.0	4.200	3.360	10.920	10.680	878.41	165.63	C

```
data.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 51 entries, 0 to 50
Data columns (total 8 columns):
#   Column                Non-Null Count  Dtype
---  -
0   total                  51 non-null    float64
1   speeding               51 non-null    float64
2   alcohol                51 non-null    float64
3   not_distracted         51 non-null    float64
4   no_previous            51 non-null    float64
5   ins_premium            51 non-null    float64
6   ins_losses             51 non-null    float64
7   abbrev                 51 non-null    object
dtypes: float64(7), object(1)
memory usage: 3.3+ KB
```

```
sns.scatterplot(x = 'total', y = 'speeding', data = data)
```

```
<Axes: xlabel='total', ylabel='speeding'>
```

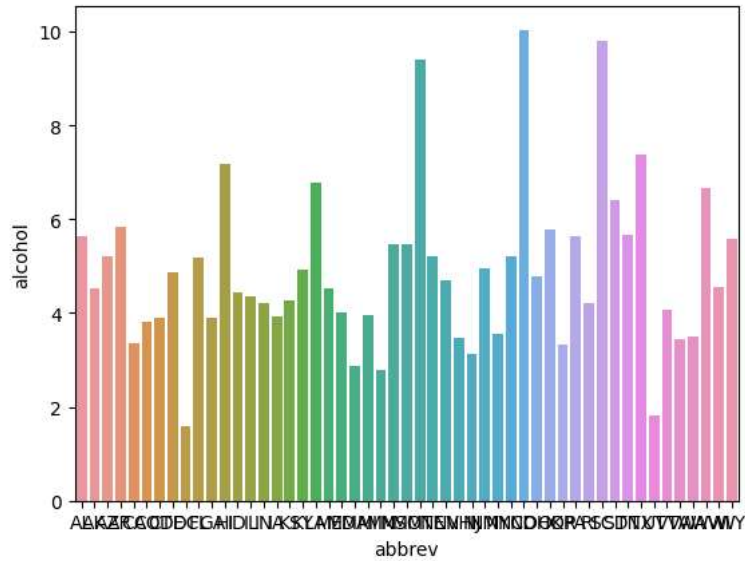


```
plt.figure(figsize = (12,6))
```

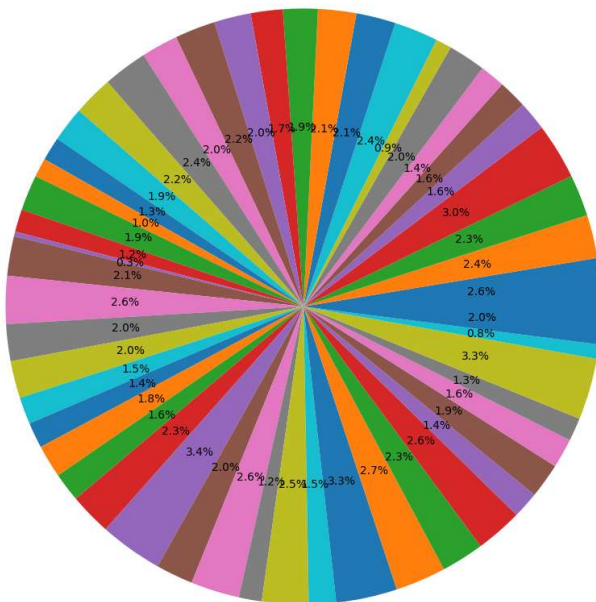
```
<Figure size 1200x600 with 0 Axes>
<Figure size 1200x600 with 0 Axes>
```

```
sns.barplot(x = 'abbrev', y = 'alcohol', data = data)
```

```
<Axes: xlabel='abbrev', ylabel='alcohol'>
```



```
plt.figure(figsize = (12,12))
plt.pie(data['not_distracted'], autopct = '%1.1f%%')
plt.show()
```



```
sns.distplot(data['total'])
```

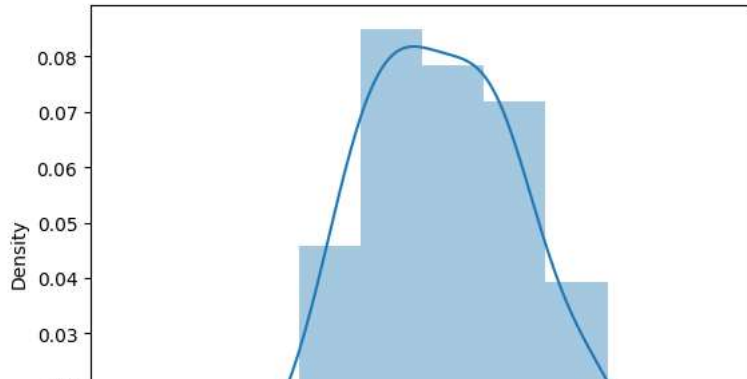
```
<ipython-input-25-0ba5c311953d>:1: UserWarning:
```

```
`distplot` is a deprecated function and will be removed in seaborn v0.14.0.
```

Please adapt your code to use either `displot` (a figure-level function with similar flexibility) or `histplot` (an axes-level function for histograms).

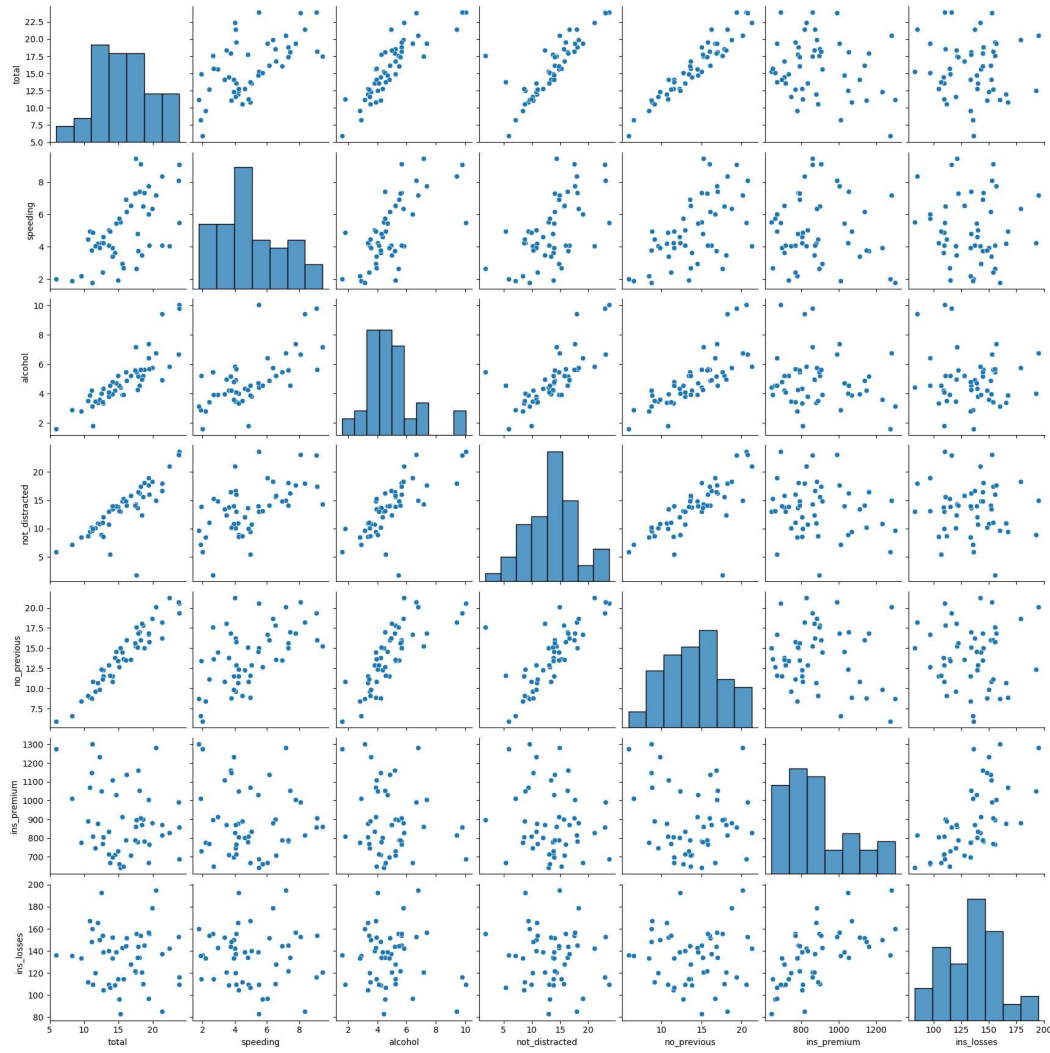
For a guide to updating your code to use the new functions, please see <https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751>

```
sns.distplot(data['total'])  
<Axes: xlabel='total', ylabel='Density'>
```



```
sns.pairplot(data)
```

```
<seaborn.axisgrid.PairGrid at 0x785ce81c0070>
```



[Colab said: produce Cancel contracts here](#)

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